John V Moran

List of Publications by Year
in descending order

43 papers	31,576 citations	159358 30 h-index	288905 40 g-index
49 all docs	49 docs citations	49 times ranked	27312 citing authors

#	Article	IF	Citations
1	Initial sequencing and analysis of the human genome. Nature, 2001, 409, 860-921.	13.7	21,074
2	Human L1 Retrotransposon Encodes a Conserved Endonuclease Required for Retrotransposition. Cell, 1996, 87, 905-916.	13.5	1,048
3	High Frequency Retrotransposition in Cultured Mammalian Cells. Cell, 1996, 87, 917-927.	13.5	950
4	Hot L1s account for the bulk of retrotransposition in the human population. Proceedings of the National Academy of Sciences of the United States of America, 2003, 100, 5280-5285.	3.3	923
5	Somatic mosaicism in neuronal precursor cells mediated by L1 retrotransposition. Nature, 2005, 435, 903-910.	13.7	860
6	L1 retrotransposition in human neural progenitor cells. Nature, 2009, 460, 1127-1131.	13.7	750
7	Human L1 Retrotransposition: cis Preference versus trans Complementation. Molecular and Cellular Biology, 2001, 21, 1429-1439.	1.1	587
8	LINE-1 Retrotransposition Activity in Human Genomes. Cell, 2010, 141, 1159-1170.	13.5	531
9	The impact of L1 retrotransposons on the human genome. Nature Genetics, 1998, 19, 19-24.	9.4	492
10	LINE-1 Elements in Structural Variation and Disease. Annual Review of Genomics and Human Genetics, 2011, 12, 187-215.	2.5	471
11	Many human L1 elements are capable of retrotransposition. Nature Genetics, 1997, 16, 37-43.	9.4	451
12	DNA repair mediated by endonuclease-independent LINE-1 retrotransposition. Nature Genetics, 2002, 31, 159-165.	9.4	440
13	Genomic Deletions Created upon LINE-1 Retrotransposition. Cell, 2002, 110, 315-325.	13.5	427
14	Mobile DNA in Health and Disease. New England Journal of Medicine, 2017, 377, 361-370.	13.9	321
15	Multiple Fates of L1 Retrotransposition Intermediates in Cultured Human Cells. Molecular and Cellular Biology, 2005, 25, 7780-7795.	1.1	255
16	The Influence of LINE-1 and SINE Retrotransposons on Mammalian Genomes. Microbiology Spectrum, 2015, 3, MDNA3-0061-2014.	1.2	236
17	Ataxia telangiectasia mutated (ATM) modulates long interspersed element-1 (L1) retrotransposition in human neural stem cells. Proceedings of the National Academy of Sciences of the United States of America, 2011, 108, 20382-20387.	3.3	217
18	Intersection of diverse neuronal genomes and neuropsychiatric disease: The Brain Somatic Mosaicism Network. Science, 2017, 356, .	6.0	206

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19	p53 genes function to restrain mobile elements. Genes and Development, 2016, 30, 64-77.	2.7	174
20	A 3â€² Poly(A) Tract Is Required for LINE-1 Retrotransposition. Molecular Cell, 2015, 60, 728-741.	4.5	120
21	The Zinc-Finger Antiviral Protein ZAP Inhibits LINE and Alu Retrotransposition. PLoS Genetics, 2015, 11, e1005121.	1.5	119
22	APOBEC3A deaminates transiently exposed single-strand DNA during LINE-1 retrotransposition. ELife, 2014, 3, e02008.	2.8	113
23	Distinct mechanisms for trans-mediated mobilization of cellular RNAs by the LINE-1 reverse transcriptase. Genome Research, 2007, 17, 602-611.	2.4	111
24	ATLAS: A System to Selectively Identify Human-Specific L1 Insertions. American Journal of Human Genetics, 2003, 72, 823-838.	2.6	105
25	Genome-wide de novo L1 Retrotransposition Connects Endonuclease Activity with Replication. Cell, 2019, 177, 837-851.e28.	13.5	88
26	The landscape of somatic mutation in cerebral cortex of autistic and neurotypical individuals revealed by ultra-deep whole-genome sequencing. Nature Neuroscience, 2021, 24, 176-185.	7.1	73
27	Identification and characterization of occult human-specific LINE-1 insertions using long-read sequencing technology. Nucleic Acids Research, 2020, 48, 1146-1163.	6.5	68
28	LINE-1 Cultured Cell Retrotransposition Assay. Methods in Molecular Biology, 2016, 1400, 139-156.	0.4	45
29	Stable Integration of Transgenes Delivered by a Retrotransposonâ€“Adenovirus Hybrid Vector. Human Gene Therapy, 2001, 12, 1417-1428.	1.4	42
30	Transduction-Specific ATLAS Reveals a Cohort of Highly Active L1 Retrotransposons in Human Populations. Human Mutation, 2013, 34, 974-985.	1.1	38
31	Title is missing!. , 1999, 107, 39-51.		28
32	Poly(ADP-Ribose) Polymerase 2 Recruits Replication Protein A to Sites of LINE-1 Integration to Facilitate Retrotransposition. Molecular Cell, 2019, 75, 1286-1298.e12.	4.5	26
33	Comprehensive identification of somatic nucleotide variants in human brain tissue. Genome Biology, 2021, 22, 92.	3.8	26
34	The Influence of LINE-1 and SINE Retrotransposons on Mammalian Genomes. , 0, , 1165-1208.		25
35	Long-read assembly of a Great Dane genome highlights the contribution of GC-rich sequence and mobile elements to canine genomes. Proceedings of the National Academy of Sciences of the United States of America, 2021, 118, .	3.3	25
36	RNA ligation precedes the retrotransposition of U6/LINE-1 chimeric RNA. Proceedings of the National Academy of Sciences of the United States of America, 2019, 116, 20612-20622.	3.3	23

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37	Machine learning reveals bilateral distribution of somatic L1 insertions in human neurons and glia. Nature Neuroscience, 2021, 24, 186-196.	7.1	22
38	Condensin II and GAIT complexes cooperate to restrict LINE-1 retrotransposition in epithelial cells. PLoS Genetics, 2017, 13, e1007051.	1.5	19
39	Spliced integrated retrotransposed element (SpIRE) formation in the human genome. PLoS Biology, 2018, 16, e2003067.	2.6	11
40	Mobile genetic elements and genome evolution 2014. Mobile DNA, 2014, 5, 26.	1.3	9
41	LEAP: L1 Element Amplification Protocol. Methods in Molecular Biology, 2016, 1400, 339-355.	0.4	9
42	Diamonds and rust: how transposable elements influence mammalian genomes. EMBO Reports, 2009, 10, 1306-1310.	2.0	5
43	2013 Curt Stern Award Address1. American Journal of Human Genetics, 2014, 94, 340-348.	2.6	0